

Operating and Maintenance Procedures Overview

The operation and maintenance of most elements of the NuMI Project are similar in nature to the existing elements in the other areas at FNAL. These are covered in existing Lab-wide and Div/Sec. procedures and plans. A formal agreement between AD and PPD, approved by the lab director, assigns responsibilities for specific areas of the NuMI facility to each of these divisions.

Some elements of the NuMI facilities are unique and specific documentation for NuMI exists to address them. Documentation and procedures have been developed for specific components of NuMI as well as more general documents that address the operation of NuMI as a whole. Some important documents include:

- The Beam Commissioning Tutorials, which include a primer for NuMI users; characteristics of the power supplies, alarms and beam permit system; and other information relevant to the operation of the NuMI beamline;
- A MINOS shift guide provides guidelines for MINOS collaborators working in the MINOS control room and is supplemented by specific procedures for operating the Data Acquisition System (DAQ), Detector Controls System (DCS), and Online Monitoring (OM);
- A Memorandum of Understanding (MOU) between Fermilab and the University of Minnesota defines the responsibilities of each institution in operating the MINOS experiment in the Soudan Underground Laboratory. The Soudan Underground Laboratory has prepared a Visitor's Guide and a safety manual for visiting MINOS collaborators.